



- The Budget
 - FY11 President's Budget Status
 - MEP Budget
- Miscellaneous News
- NASA-ESA Partnership for Mars Exploration—where are we now?



The Budget

- The FY11 President's Budget
 - NASA Appropriations Bill passed last night
 - ISS extended to at least 2020.
 - Additional Shuttle launch in CY11
 - Continues Orion crew capsule and a new Space Launch System (70-100 tons to LEO)
 - Create technology development program
 - Pursue a commercial space flight capability
 - \$100M/year for a robotic human precursor program
 - Science Program is basically stable
 - Slight increase for Planetary Science beginning in FY11
 - Continued emphasis on international cooperation and collaboration
- Mars Program budget pressures continue, but outlook is much better than it has been in years!
 - MSL in FY11/12
 - NLS-2 launch vehicle cost and performance
 - Earlier-than-usual milestones for 2016 and 2018 missions



All the Other News Fit to Print

- Planetary Decadal Report
 - Report to reviewers—Sept/Oct
 - Report revisions—Nov-Jan '11
 - Report approved for release by NRC—Jan/Feb
 - Embargoed report to NASA—late-February '11
 - Public release—Brief report at LPSC, March 7, 2011
 - Disseminate printed report—by August 31st
- 2013 MAVEN going to Confirmation next week
 - Highly successful PDR in July
- 2016 orbiter AO selections announced August '10
 - Five instruments selected, including 1 European led
 - All instruments have significant international partnerships

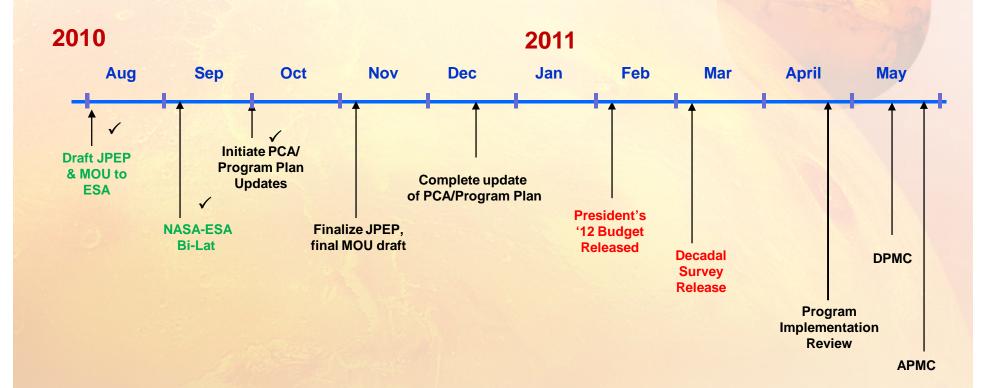


All the Other News Fit to Print

- Discovery AO
 - Step 1 selection announcements NLT April '11
 - Selections for 9 month Step 1's
- Key personnel changes in MEP
 - Mark Dahl retired—Dave Lavery picked up MSL as Program Executive
 - George Tahu joined MEP as 2018 mission Program Executive
 - Mary Voytek working with Michael Meyer on MSL
 - New Program Scientist in MEP should be aboard soon!
- Time for semi-annual MEP Program Status/Implementation Review
 - Required for all program's continuation by NASA
 - Kick-off begun
 - Formal Review and briefings after Decadal Report release



Roadmap to PSR/PIR



JPEP = Joint Program Executive Plan

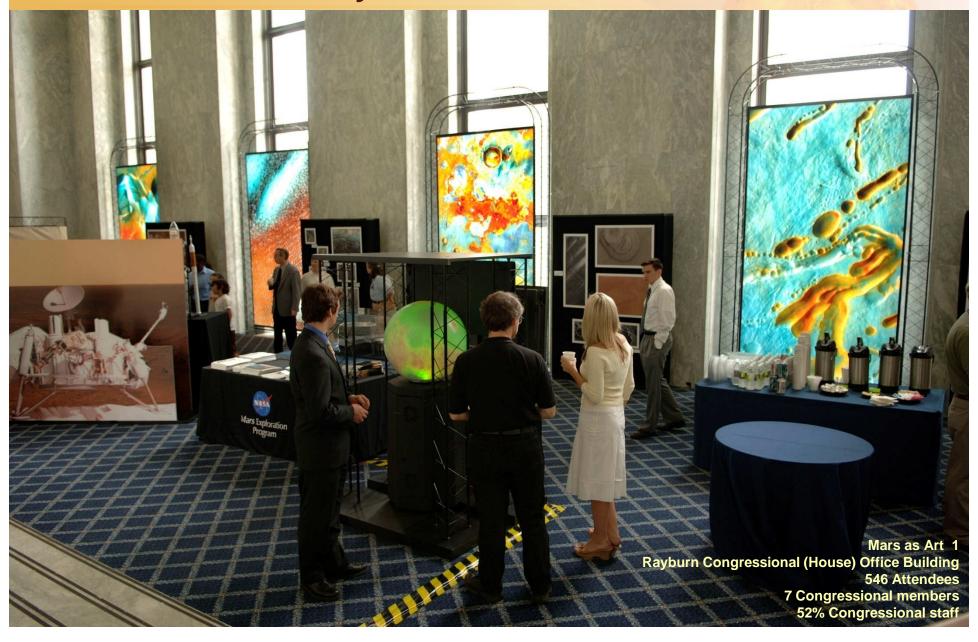
PCA = Program Commitment Authorization

DPMC = Directorate Program Management Council

APMC = Agency Program Management Council

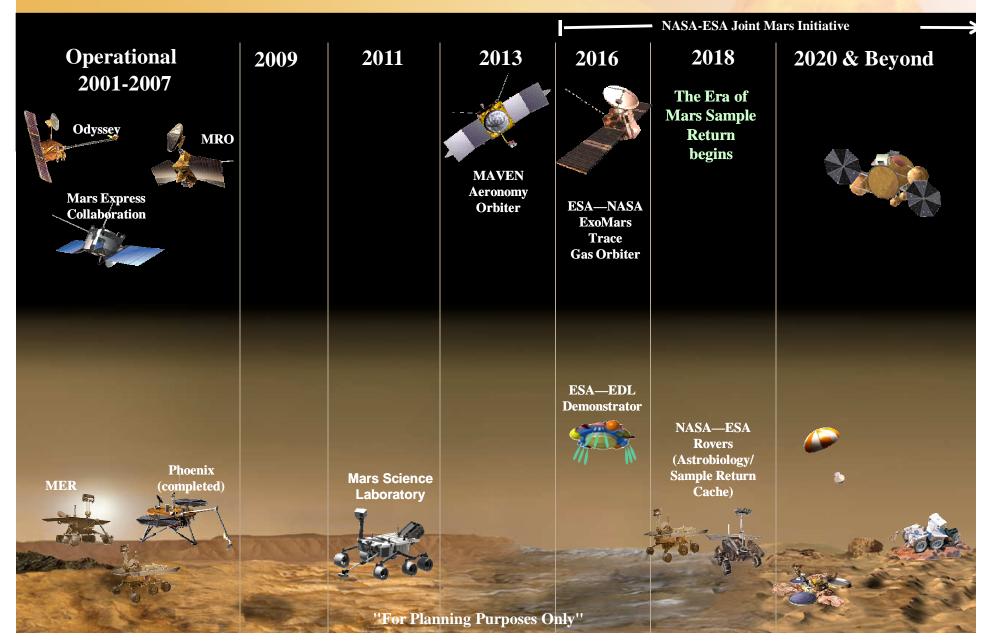


Mars as Art-II Submissions by Oct 8th





Planned Joint NASA-ESA Mars Initiative Portfolio Overview



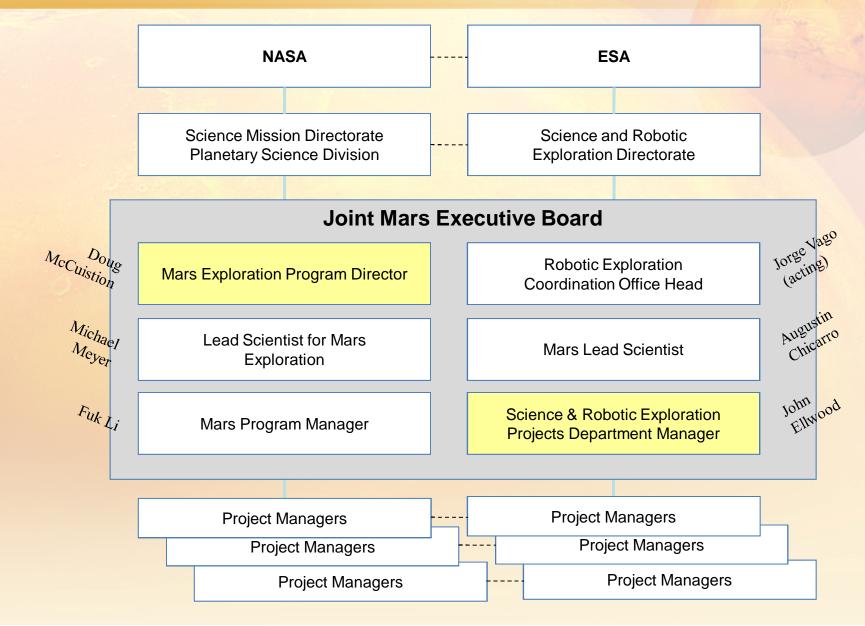


NASA-ESA Joint Program Progress

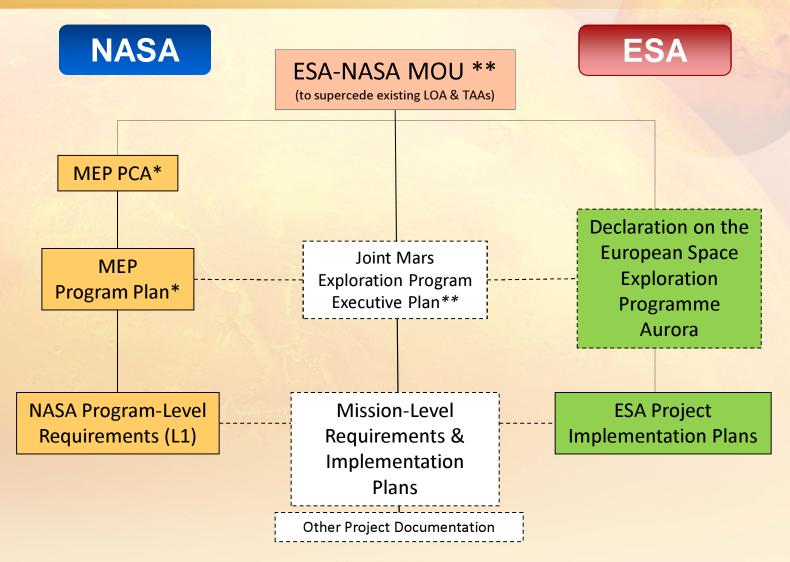
- Management structure in place
 - Joint Mars Executive Board—meets regularly
 - Joint Engineering Working Groups for future mission concepts
 - Bi-Lateral next week (Dr. Southwood and Dr. Weiler)—meets twice yearly
- 2016 mission orbiter instruments selected!
 - ESA's demo lander AO possible in early 2011—US will support science participation
 - Project office established in Mars Program Office at JPL
- Overall governance, documentation, review and approval processes, etc., maturing
 - Operating under an approved LOA
 - MOU nearly final
 - Joint Executive Program Plan (JPEP) in negotiation
 - The joint Program will be reviewed in PSR/PIR for NASA APMC approval in May '10
- MSR working group recently established



Joint Mars Program Authority and Management Structure



Joint Mars Program Governance Documentation



^{*} Existing documents to be updated with new program directions and joint implementation mode

^{**} Currently in the process of negotiating with ESA



Joint Program Summary

- While the FY11 budget isn't approved yet, no radical changes are expected for MEP
 - Continued MSL budget threats do exist for 2011 launch
 - Launch vehicle costs are going up—and performance is going down
- Partnering with ESA enables the next phase of Mars scientific exploration
 - A strong and productive partnership is developing!
 - 2016 and 2018 mission objectives and roles are defined and activities proceeding rapidly
 - Lays the groundwork to bring a joint/international sample return mission to reality
- There are still challenges for the joint program
 - Maintaining partnership after first 2 missions through Mars Sample Return
 - Meshing different agency cultures
 - Completing 2016 early NASA milestones since ESA has a "head start"
 - Completing the MOU and JPEP is critical for stability
- Agency approval will come with Decadal Release and PSR/PIR